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encoding device partial matrix row columns sa

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Parity Check Matrix Generation Method, Data Transmission System, Encoding Device, Deco Device, and a Parity Check Matrix Generation Program

Y Senda - US Patent App. 12/470,196, 2009 - Google Patents

... matrix generation method, a data transmission system, an encoding device, a decoding device, and a ... that can limit calculation costs when generating a parity check matrix and when encoding ... to satisfy the conditions that, when any two rows contained in partial matrix H1 are ...

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Primary Class

M Senda - freepatentsonline.com

... A decoding device for receiving codewords from an encoding device by way of a transmission line ... check matrix to decode said received codewords and convert to data that preceded encoding ... to satisfy conditions that, when any two rows contained in said partial matrix H1 are ...

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Method and system for generating parallel decodable low density parity check (LDPC) codes

FW Sun, M Eroz, L Lee - US Patent App. 11/938,095, 2007 - Google Patents

... Q Q LO f5 °0 / CN J S UU i , 1 1' „, >— DEVICE CURSOR rnrxTDnI ... Encoding an LDPC code using its generator matrix would require storing a very large, non-sparse matrix ... of the bipartite graph, the derived code can be obtained by deleting some edges in the mapped matrix. ...

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[CITATION] Efficient secure channel coding based on quasi-cyclic low-density parity-check cod

AAS Afshar, T Eghlidos, MR Aref - Communications, IET, 2009

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[PDF] STUDY OF QUANTUM LOW DENSITY PARITY CHECK AND QUANTUM DEGENERAT CODES

HK Htu - sunzi.lib.hku.hk

... HKU B.Sc. HKU A thesis submitted in partial fulfillment of the requirements for ... classical bit can be cloned perfectly and stored in some physical device robustly in the classical computer. ...

employed random coding for which there is no practical encoding or decoding algorithm. ...

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Ultra-High Capacity Holographic Memories

A Adibi, F Fekri, SW McLaughlin, GEORGIA INST OF ... - 2004 - oai.dtic.mil

... III. Material Characterization For material characterization, several holographic experiments with different recording parameters were performed in a 2 mm ... After this phase, the hologram was read in the presence of a Bragg-mismatched beam to observe the partial erasure of ...

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Error-correcting coding system

RM Tanner - US Patent 4,295,218, 1981 - Google Patents

... CODE CORRESPONDING BIPARTITE GRAPH FIG 36 (b) NEXT PRODUCT FIG 37 PARTIAL SKETCH OF ... Moreover, under particularly An encoder can be thought of as a device which bad ... Finally, to provide both an encoding and decoding process and apparatus structured to ...

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[BOOK] Turbo coding

C Heegard, SB Wicker - 1999 - books.google.com

... Methods for data **encoding** and decoding that increase the reliability of a communication channel. ... An input/output **device** with finite memory ... statistics within the parameterization, and the subsequent development of turbo decoders that can adapt to changing channel **conditions**. ...

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BHJ Peiris - 2006 - txspace.tamu.edu

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SS Garani - 2006 - smartech.gatech.edu

... by Shayan Garani Srinivasa. In **Partial Fulfillment of the Requirements for the Degree Doctor of Philosophy** ... 78 6.2 M-ary **Encoding** of Pixels The re-created object beam is projected on a high-quality pixelated array of photodetectors called a charge-coupled **device** (CCD) to re- ...

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